

Title (en)  
PREPARATION OF ALPHA-KETOPIMELIC ACID

Title (de)  
HERSTELLUNG VON ALPHA-KETOPIMELINSÄURE

Title (fr)  
PRÉPARATION D'ACIDE ALPHA-CÉTOPIMÉLIQUE

Publication  
**EP 2406384 A2 20120118 (EN)**

Application  
**EP 10708406 A 20100311**

Priority

- NL 2010050126 W 20100311
- EP 09154840 A 20090311
- EP 09170092 A 20090911
- EP 09180441 A 20091222
- EP 10708406 A 20100311

Abstract (en)  
[origin: WO2010104390A2] The invention relates to a method for preparing alpha-ketopimelic acid, comprising converting alpha-ketoglutaric acid into alpha-ketoadipic acid and converting alpha-ketoadipic acid into alpha-ketopimelic acid, wherein at least one of these conversions is carried out using a heterologous biocatalyst. The invention further relates to a heterologous cell, comprising one or more heterologous nucleic acid sequences encoding one or more heterologous enzymes capable of catalysing at least one reaction step in the preparation of alpha-ketopimelic acid from alpha-ketoglutaric acid.

IPC 8 full level  
**C12P 7/40** (2006.01); **C12N 9/10** (2006.01); **C12N 9/88** (2006.01); **C12P 7/50** (2006.01); **C12P 7/64** (2006.01); **C12P 13/00** (2006.01)

CPC (source: EP US)  
**C12N 9/0008** (2013.01 - EP US); **C12N 9/1025** (2013.01 - EP US); **C12N 9/88** (2013.01 - EP US); **C12P 7/44** (2013.01 - EP US); **C12P 7/50** (2013.01 - EP US); **C12P 13/005** (2013.01 - EP US); **C12P 13/02** (2013.01 - EP US); **C12P 17/10** (2013.01 - EP US)

Citation (search report)  
See references of WO 2010104390A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2010104390 A2 20100916; WO 2010104390 A3 20110421**; AU 2010221862 A1 20111006; AU 2010221863 A1 20111006; BR PI1009192 A2 20150922; BR PI1009197 A2 20150915; CN 102348805 A 20120208; CN 102892893 A 20130123; EA 201101311 A1 20120430; EA 201101312 A1 20120330; EP 2406384 A2 20120118; EP 2406385 A2 20120118; JP 2012520069 A 20120906; JP 2012520070 A 20120906; TW 201037078 A 20101016; US 2012028320 A1 20120202; US 2012156737 A1 20120621; WO 2010104391 A2 20100916; WO 2010104391 A3 20110630

DOCDB simple family (application)  
**NL 2010050126 W 20100311**; AU 2010221862 A 20100311; AU 2010221863 A 20100311; BR PI1009192 A 20100311; BR PI1009197 A 20100311; CN 201080011427 A 20100311; CN 201080020975 A 20100311; EA 201101311 A 20100311; EA 201101312 A 20100311; EP 10708406 A 20100311; EP 10708407 A 20100311; JP 2011553966 A 20100311; JP 2011553967 A 20100311; NL 2010050127 W 20100311; TW 99107114 A 20100311; US 201013255161 A 20100311; US 201013255473 A 20100311